

Anti-L-Ficolin (human)

Mouse monoclonal antibody

Subclass: IgG2a/k

CAT. NO.

ABS 005-19

Clone: 19

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| SPECIFICITY | ABS 005-19 reacts specifically with L-Ficolin. No cross reactivity is seen with M-Ficolin (Ficolin-1) and H-Ficolin (Ficolin-3). |
| IMMUNOGEN | Purified procaryot expressed recombinant human L-Ficolin and full-length L-Ficolin (Ficolin-2) protein |
| TESTED APPLICATIONS | ELISA, WB |
| SPECIES REACTIVITY (POSITIVE) | Human |
| SPECIES REACTIVITY (NEGATIVE) | Not determined |
| EPITOPE SPECIFICITY | Not determined |

PRESENTATION

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| Content: | Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details. |
| Preparation: | Protein-A purified |
| Form: | Liquid |
| Solvent: | 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide |
| Storage: | 4-8°C without exposure to light. No precautions necessary during handling. |

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| APPLICATION | ELISA: ABS 005-19 is especially well suited as detecting antibody in a sandwich ELISA in combination with ABS 005-16 (1). Furthermore, in ELISA, ABS 005-19 reacts with recombinant L-Ficolin coated directly into the microtiter well. WB: ABS 005-19 can be used in Western blotting (1, 2, 3). IP: ABS 005-19 can be used in immunoprecipitation (4). |
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| TARGET | L-Ficolin (Ficolin-2) is an innate immunity pattern recognition molecule found in human serum. L-Ficolin binds to distinct pathogen-associated molecular patterns (PAMP), such as carbohydrates (GlcNAc), lipoteichoic acid and acetylated groups thereby facilitating phagocytosis and activation of complement through the lectin route using the same serine proteases as mannose-binding lectin (MBL) named MASP ((MBL)-associated serine protease) (1). |
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| REFERENCES | <ol style="list-style-type: none">1. Munthe-Fog L, Hummelshøj T, Hansen BE, Koch C, Madsen HO, Skjødt K, Garred P (2007) The impact of FCN2 polymorphisms and haplotypes on the Ficolin-2 serum levels. <i>Scand J Immunol</i> 65:383-392.2. Jensen ML, Honoré C, Hummelshøj T, Hansen BE, Madsen HO, Garred P (2006) Ficolin-2 recognizes DNA and participates in the clearance of dying host cells. <i>Mol Immunol</i> 44:856-865.3. Hummelshøj T, Thielens NM, Madsen HO, Arlaud GJ, Sim RB, Garred P (2006) Molecular organization of human Ficolin-2. <i>Mol Immunol</i> 44:401-411.4. Skjødt MO, Hummelshøj T, Palarasah Y, Honoré C, Koch C, Skjødt K, Garred P (2010) A Novel Mannose-binding Lectin/Ficolin-associated Protein Is Highly Expressed in Heart and Skeletal Muscle Tissues and Inhibits Complement Activation. <i>J Biol Chem</i> 285:8234-8243. |
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